Installation Instructions

This document is for the person who installs, administers, and troubleshoots servers and storage systems. HP assumes you are qualified in servicing computer equipment and trained in recognizing hazards in products with hazardous energy levels.

HP ProLiant ML350 G4p Storage Server

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Operating system

The HP ProLiant ML350 G4p Storage Server is preloaded with the Windows® Storage Server 2003 operating system. Prior to power up, deployment instructions found in the *User Guide* should be followed to enable the successful configuration of the storage server in addition to the guidelines found below.

Required Items:

- Storage Server User Guide

- Storage Server Administration Guide
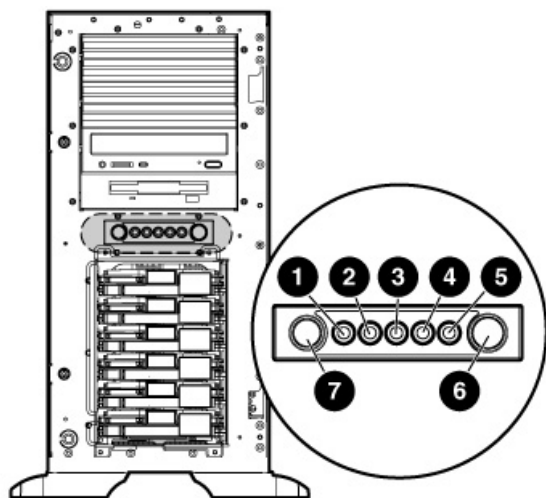
To begin the first-time startup procedure:

- Be sure that the server is safely installed in an adequate environment.

- Be sure that the power cables and peripheral devices are plugged in and AC power is supplied to the server.

- Refer to the Storage Server User Guide prior to powering up the server.

Product documentation

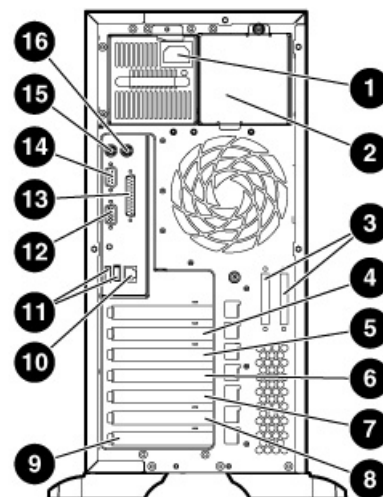|	
Installation Instructions	quick hardware overview
Documentation CD	■ *HP ProLiant Storage Server User Guide* provides NAS installation and configuration options
	■ *HP ProLiant Storage Server Administration Guide* - provides administrative and procedural instructions
	■ *HP ProLiant ML350 Generation 4p User Guide* - provides complete hardware information
Service Release Kit Quick Start Guide	provides software updates, upgrades and enhancements not available when the storage server was manufactured.
HP Warranty fulfillment	provides instructions to obtain a printed warranty
HP *Important Safety Information* Guide	Safety information for HP storage, power, networking and rack products
Documentation survey	help us improve our documentation
Need More?	visit us at: www.hp.com/go/NAS

Callouts

Item	Description	
❶	UID switch and LED	Blue = Activated Flashing = System managed remotely Off = Deactivated
❷	Int system health LED	Green = Normal (system on) Amber = System health is degraded Red = System health is critical Off = Normal (system off)
❸	Ext system health LED	Green = Normal (system on) Red = Power redundancy failure.
❹	NIC link/activity LED	Green = Linked to network Flashing green = Linked with activity Off = No network connection
❺	Power on LED	On = Power Amber = System off power available Off = No power
❻	System Power	
❼	UID button	

Item	Description
❶	Power cord connector
❷	Optional hot-plug redundant power supply
❸	SCSI connector knockouts
❹	PCI Express x4 (half length card), slot 1
❺	PCI Express x8 (full length card), slot 2
❻	64-bit 100 MHz PCI-X slot, bus 9, slot 3
❼	64-bit 100 MHz PCI-X slot, bus 9, slot 4
❽	64-bit 133 MHz PCI-X slot, bus 6, slot 5
❾	64-bit 66 MHz PCI-X slot, bus, 2, slot 6
❿	RJ-45 Ethernet connector
⓫	USB 2.0 connectors (2)
⓬	Video connector
⓭	Parallel connector
⓮	Serial connector
⓯	Keyboard connector
⓰	Mouse connector

Installing a storage server (tower)

Follow the steps in this section to set up a tower model server.

⚠ **WARNING:** To reduce the risk of electric shock, fire, or damage to the equipment, do not plug telephone or telecommunications connectors into RJ-45 connectors.

1. Connect network cable and any peripheral devices to the server.
2. Connect the power cord to the back of the server.
3. Connect the power cord to the AC power source.

⚠ **WARNING:** To reduce the risk of personal injury or damage to the equipment:

- Do not disable the power cord grounding plug. The grounding plug is an important safety feature.

- Plug the power cord into a grounded (earthed) electrical outlet that is easily accessible at all times.

- Unplug the power cord from the power supply to disconnect power to the equipment.

- Do not route the power cord where it can be walked on or pinched by items placed against it. Pay particular attention to the plug, electrical outlet, and the point where the cord extends from the server.

Rack option

A separate rack mount kit is required to install this storage server into a rack. For information download the *HP ProLiant ML350 Generation 4p Server User Guide* on the documentation CD or visit us at:

http://www.hp.com/go/NAS

Registering your storage server

To register your product visit the HP Registration web site at:

http://www.register.hp.com